

Name: _____

Date: _____

Factoring Trinomials ($a = 1$ or $a > 1$)

Part One: Factor each trinomial as completely as possible.

1. $x^2 + 6x + 8$	2. $g^2 - 4g + 3$	3. $d^2 + 9d + 8$
4. $y^2 + 9y - 36$	5. $x^2 + 11x + 30$	6. $n^2 - 11n + 30$
7. $2m^2 + 5m + 3$	8. $6t^2 - 7t - 20$	9. $4h^2 - 17h - 42$
10. $7x^2 - 55x - 8$	11. $a^2 + 3a - 108$	12. $x^2 + 16x + 64$

Part Two: Mixed Polynomial Review

13. Factor: $8x^2 - 16x$	14. Simplify, then name: $8y(3y^2 - y + 9)$	15. Simplify, then name: $7x - (3x^2 - 8x - 12)$
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